My residence, post office address and citizenship inventor (if only one name is fixed below) or subject matter which is claimed and for which a INTERACTIVE INFORMATION RETRIEVAL S	an original, first and joint inventor (if plural patent is sought on the invention entitled: SPE	names are listed below) of the ECH RECOGNITION BASED
is allached hereto.	REDUCE USER STR	•
	as application Serial No.	(if applicable) and was
amended on		
I hereby state that I have reviewed and understand amended by any amendment referred to above. I do in the United States of America before my or our country before my or our invention thereof or mo invention was not in public use or on sale in the United Junderstand that I have a duty of candor and good	to not know and do not believe that the same war invention thereof, or patented or described in ore than one year prior to the date of this appl nited States of America more than one year prio	as ever known or used by others any printed publication in any ication. I further state that the or to the date of this application.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of my foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

disclose information which is material to the examination of this application in accordance with Title 37. Code of Federal Regulations, §1.56(a). I further understand that information is "material" where there is a substantial likelihood that a reasonable patent examiner would consider the information important in deciding whether to allow the application to issue as a patent.

Country	App No.	Date of Filing	Priority Claimed Under 35 USC \$119
Japan Japan Japan	P11-150855 P11-221820 P11-230216	May 31, 1999 Auguat 4, 1999 August 17, 1999	Yes No Yes No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.

Status: patented pending abandoned

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

I hereby authorize the U.S. attorneys named herein to accept and follow instructions from Miyoshi & Miyoshi, as to any action to be taken in the Patent and Trademark Office regarding this application, without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney named herein will be notified by the undersigned.

POWER OF ATTORNEY: The following attorneys are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Anthony B. Askew - 24,154; Roger T. Frost - 22,176; Jeffrey E. Young - 28,490; Robert E. Richards - 29,105; John R. Harris - 30,388; Stephen M. Schaetzel -31,418; Larry A. Roberts - 31,871; Thomas A. Hodge, -22,602; Charles L. Warner II - 32,320; Gregory T. Gronholm - 32,415; Dale Lischer - 28,438; Peter G. Pappas - 33,205; Ismes Dean Johnson - 31,771, Nora M. Tocups - 35,717, W. Scott Petty - 35,645; Daniel J. Warren - 34,272; Hubert J. Barnhardt III - 36,739; Virginia L. Carron - 37,110; Leona G. Young - 37,266; Jamie L. Greene-32,467; William A. Hartselle - 36,548; Holmes J. Hawkins III - 38,913; Mary Anthony Merchant - 39,771; Michael J. Mehrman - 40,086; William L. Warren - 36,714; Felipe J. Farley - 38,445; F. Leslie Bessenger III - 39,108; James A. Witherspoon - 36,723; Brenda M. Ozaki - 40,339; James D. Withers - 40,376; M. Todd Mitchem -P40,731; Gregory S Smith - P40,819.

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